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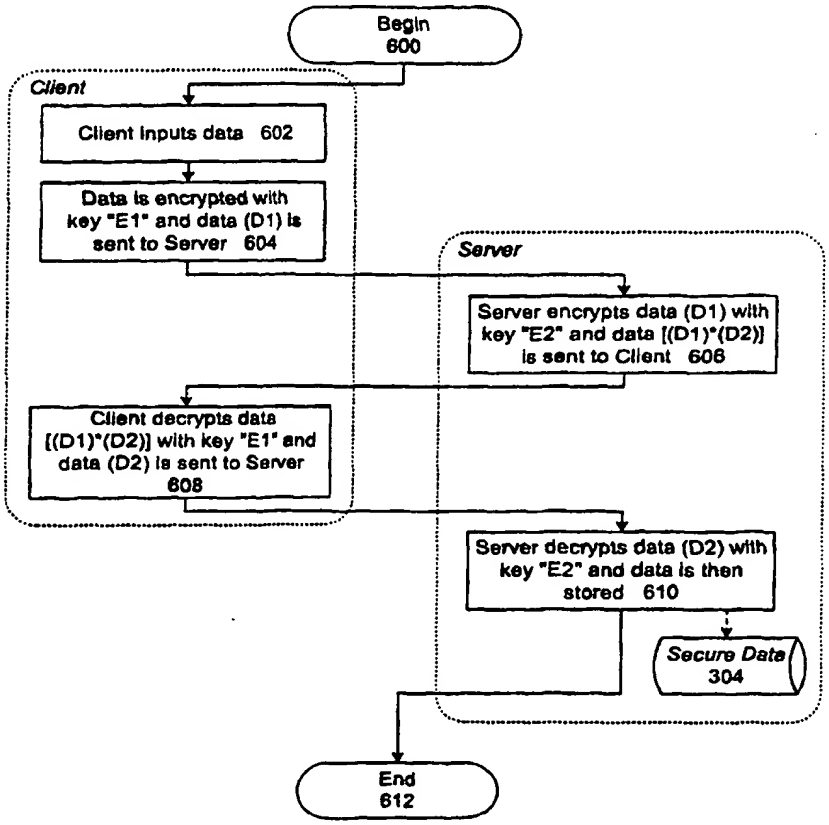
(54) Title: SYSTEM AND METHOD OF SENDING AND RECEIVING SECURE DATA USING ANONYMOUS KEYS

(57) Abstract

A message (602) is encrypted with a first key E1 at the first computer (604). This is sent to a second computer, encrypted with a second key E2 (606), and sent back to the first computer. The first computer decrypts it with E1 (608) and sends it to the second computer. The second computer decrypts it with the second key.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24191

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :H04L 9/00
US CL : 380/255

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 380/255

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Handbook of Applied Cryptography, Menezes et al, 17 OCT 1996

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	MENEZES ET AL, Handbook of Applied Cryptography, 17 OCTOBER 1996, pp. 499 Protocol 12.20, pp. 500 Protocol 12.22 and pp. 387 (ii) item 3.	1, 3-6, 8-12, 14-16 ------ 2, 7, 13
X --- Y	U.S. 4,567,600 A [MASSEY et al] 28 JANUARY 1986, column 5 lines 8-68 and column 6 lines 1-32.	1, 3-6, 8-12, 14-16 ---------- 2, 7, 13

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer GAIL HAYES for Virginia Logan Telephone No. (703) 308-3900

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